

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 10

**Complete if Known**

Application Number	09/153,781
Filing Date	Sept. 16, 1998
First Named Inventor	Rosenberg
Art Unit	2699
Examiner Name	Liang, R.
Attorney Docket Number	IMM053 (51851-281072)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1.	2,906,179	09/1959	Bower	
	2.	3,490,059	01/1970	Paulsen et al.	
	3.	3,531,868	10/1970	Stevenson	
	4.	3,795,150	03/1974	Eckhardt	
	5.	3,875,488	04/1975	Crocker et al.	
	6.	3,890,958	06/1975	Fister et al.	
	7.	3,944,798	03/1976	Eaton	
	8.	4,114,882	09/1978	Mau	
	9.	4,131,033	12/1978	Wright et al.	
	10.	4,148,014	04/1979	Burson	
	11.	4,216,467	08/1980	Colston	
	12.	4,448,083	05/1984	Hayashi	
	13.	4,477,043	10/1984	Repperger	
	14.	4,477,973	10/1984	Davies	
	15.	4,550,221	10/1985	Mabuth	
	16.	4,550,617	11/1985	Fraignier et al.	
	17.	4,560,983	12/1985	Williams	
	18.	4,571,834	02/1986	Fraser et al.	
	19.	4,593,470	06/1986	Davies	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	20.	EP 0265011	04/1988	Oce Nederland BV		
	21.	EP 0607580	07/1994	IBM		
	22.	EP 0626634	05/1994	Matsushita Elect. Ind. Co. Ltd		
	23.	WO 95/20787	08/1995	Exos Inc.		
	24.	WO 95/10080	01/1995	MIT		
	25.	JP 4-34610	02/1992	Fuki Heavy Ind. Ltd.		
	26.	JP H2-185278	07/1990	Taito Corp		x
	27.	JP H4-8381	01/1992	Epotsukushiya KK KII Planning KK		x
	28.	JP H7-24147	01/1995	Sega Enter. LTD.		x
	29.	JP H5-192449	08/1993	Taito Corp.		x

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Sheet 2 of 10

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Application Number	09/153,781
Filing Date	Sept. 16, 1998
First Named Inventor	Rosenberg
Art Unit	2699
Examiner Name	Liang, R.
Attorney Docket Number	IMM053 (51851-281072)

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		Number - Kind Code <sup>2</sup> (if known)			
	30.	4,601,206	07/1986	Watson	
	31.	4,604,016	08/1986	Joyce	
	32.	4,638,798	01/1987	Sheldon et al.	
	33.	4,653,011	03/1987	Iwano	
	34.	4,676,002	06/1987	Slocum	
	35.	4,679,331	12/1986	Koontz	
	36.	4,688,983	08/1987	Lindbom	
	37.	4,692,756	09/1987	Clark	
	38.	4,703,443	10/1987	Moriyasu	
	39.	4,704,909	11/1987	Grahn et al.	
	40.	4,734,685	03/1988	Watanabe	
	41.	4,750,487	06/1988	Zanetti	
	42.	4,769,763	09/1988	Trieb et al.	
	43.	4,782,327	11/1988	Kley et al.	
	44.	4,787,051	11/1988	Olson	
	45.	4,791,934	12/1988	Brunnett	
	46.	4,798,919	01/1989	Miessler et al.	
	47.	4,803,413	02/1989	Kendig et al.	
	48.	4,811,608	03/1989	Hilton	
	49.	4,819,195	04/1998	Bell et al.	
	50.	4,849,692	07/1989	Blood	

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	51.	4,879,556	11/1989	Duimel	
	52.	4,888,877	12/1989	Enderle et al.	
	53.	4,891,889	01/1990	Tomelleri	
	54.	4,896,554	01/1990	Culver	
	55.	4,907,973	03/1990	Hon	
	56.	4,925,312	05/1990	Onaga et al.	
	57.	4,942,545	07/1990	Sapia	
	58.	4,945,305	07/1990	Blood	
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	60.	4,961,038	10/1990	MacMinn	
	61.	4,961,267	10/1990	Herzog	
	62.	4,962,448	10/1990	DeMalo et al.	
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	64.	4,982,504	01/1991	Soderberg et al.	
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	66.	4,983,786	01/1991	Stevens et al.	
	67.	4,983,901	01/1991	Lehmer	
	68.	5,040,306	08/1991	McMurtry et al.	
	69.	5,065,145	11/1991	Purcell	
	70.	5,076,517	12/1991	Ferranti et al.	
	71.	5,088,046	02/1992	McMurty et al.	
	72.	5,088,055	02/1992	Oyama	
	73.	5,095,303	03/1992	Clark et al.	
	74.	5,107,262	04/1992	Cadoz et al.	
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	76.	5,126,948	06/1992	Mitchell et al.	
	77.	5,131,844	07/1992	Marinaccio et al.	
	78.	5,142,506	08/1992	Edwards	
	79.	5,148,377	09/1992	McDonald	
	80.	5,178,012	01/1993	Culp	
	81.	5,182,557	01/1993	Lang	
	82.	5,184,306	02/1993	Edrman et al.	

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First Named Inventor	Rosenberg
Art Unit	2699
Examiner Name	Liang, R.
Attorney Docket Number	IMM053 (51851-281072)

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	83.	5,186,629	02/1993	Rohen	
	84.	5,187,874	02/1993	Takahashi et al.	
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	86.	5,189,806	03/1993	McMurtry et al.	
	87.	5,195,179	03/1993	Tokunaga	
	88.	5,197,003	03/1993	Moncrief et al.	
	89.	5,203,563	04/1993	Loper, III	
	90.	5,204,824	04/1993	Fujimaki	
	91.	5,209,131	05/1993	Baxter	
	92.	5,228,356	07/1993	Chuang	
	93.	5,235,868	08/1993	Culver	
	94.	5,251,127	10/1993	Raab	
	95.	5,251,156	10/1993	Heier et al.	
	96.	5,259,120	11/1993	Chapman et al.	
	97.	5,259,894	11/1993	Sampson	
	98.	5,262,777	11/1993	Lowe et al.	
	99.	5,826,203	02/1994	Fuller et al.	
	100.	5,296,846	03/1994	Ledley	
	101.	5,296,871	03/1994	Paley	
	102.	5,298,890	03/1994	Kanamaru et al.	
	103.	5,313,230	05/1994	Venolia et al.	
	104.	5,351,692	10/1994	Dow et al.	
	105.	5,355,148	10/1994	Anderson	
	106.	5,374,942	12/1994	Gilligan et al.	
	107.	5,379,663	01/1995	Hara	
	108.	5,381,080	01/1995	Schnell et al.	
	109.	5,384,460	01/1995	Tseng	
	110.	5,386,507	01/1995	Telg et al.	

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	111.	5 397 323	03/1995	Taylor et al.	
	112.	5,402,582	04/1995	Raab	
	113.	5 412,880	05/1995	Raab	
	114.	5,417,696	05/1995	Kashuba et al	
	115.	5,436,640	07/1995	Reeves	
	116.	5,445,166	08/1995	Taylor	
	117.	5,467,763	11/1995	McMahon et al.	
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	119.	5,482,051	01/1996	Reddy et al.	
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	122.	5,565,840	10/1996	Thorner et al.	
	123.	5,565,887	10/1996	McCambridge et al.	
	124.	5,565,888	10/1996	Selker	
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	126.	5,583,407	12/1996	Yamaguchi	
	127.	5,583,478	12/1996	Renzi	
	128.	5,591,924	01/1997	Hilton	
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	130.	5,619,180	04/1997	Massimino et al	
	131.	5,629,594	05/1997	Jacobus et al.	
	132.	5,629,597	05/1997	Jacobus et al.	
	133.	5,631,861	05/1997	Kramer	
	134.	5,656,901	08/1997	Kurita	
	135.	5,691,747	11/1997	Amano	
	136.	5,701,140	12/1997	Rosenberg et al.	

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	137.	5,701,140	12/1997	Rosenberg et al.	
	138.	5,724,068	03/1998	Sanchez et al.	
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	140.	5,739,811	04/1998	Rosenberg et al.	
	141.	5,745,715	04/1998	Pickover et al.	
	142.	5,757,358	05/1998	Osga	
	143.	5,760,764	06/1998	Martinelli	
	144.	5,786,818	07/1998	Brewer et al.	
	145.	5,805,165	09/1998	Thome III et al.	
	146.	5,808,601	09/1998	Leah et al.	
	147.	5,818,423	10/1998	Pugliese et al.	
	148.	5,825,308	10/1998	Rosenberg	
	149.	5,877,748	03/1999	Redlich	
	150.	5,880,714	03/1999	Rosenberg et al.	
	151.	5,889,672	03/1999	Schuler et al.	
	152.	6,020,876	02/2000	Rosenberg et al.	
	153.	6,028,593	02/2000	Rosenberg et al.	
	154.	6,057,828	05/2000	Rosenberg et al.	
	155.	6,061,004	05/2000	Rosenberg	
	156.	6,078,308	06/2000	Rosenberg et al.	
	157.	6,088,019	07/2000	Rosenberg	
	158.	6,162,123	12/2000	Woolston	

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		Number - Kind Code <sup>2</sup> (if known)			
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of

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Application Number	09/153,781
Filing Date	Sept. 16, 1998
First Named Inventor	Rosenberg
Art Unit	2699
Examiner Name	Liang, R.
Attorney Docket Number	IMM053 (51851-281072)

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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Art Unit	2699
Examiner Name	Liang, R.
Attorney Docket Number	IMM053 (51851-281072)

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